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valid CogState Sport test sessions, mean RT_{clin} was similar (202 ± 19 milliseconds versus 207 ± 23 milliseconds; P = .390), but mean RT_{comp} was different (258 ± 35 milliseconds versus 290 ± 55 milliseconds; P = .009).

Conclusions: The RT_{clin} was positively correlated with RT_{comp} and yielded more

consistent reaction time values during baseline testing. Given that RT_{clin} is easy to measure using simple, inexpensive equipment, further prospective study is warranted to determine its clinical utility in the assessment of concussion in athletes.

Keywords: concussions, mild traumatic brain injuries, neuropsychological tests, athletes, assessment, motivation

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